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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/722,230

11/25/2003

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EXAMINER

ZHU, BO HUI ALVIN

ART UNIT

PAPER NUMBER

2419

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/722,230	Applicant(s) GISZCZYNSKI ET AL.	
	Examiner BO HUI A. ZHU	Art Unit 2419	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 24 November 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 18--38 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 18-38 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 18 - 19, 22 – 26, 29 – 32 and 35 - 38 are rejected under 35 U.S.C. 102(e) as being anticipated by Gruber et al. (US 6,563,795).

(1) with regard to claims 18 and 31:

Gruber et al. discloses a method comprising: originating at least one of operations, administrative and maintenance calls (OAM cell, Fig. 2) at a source network element (node A, Fig. 3) on a virtual path (1, 2, 3..., Fig. 3); and monitoring for the at least one of the operations, administrative and maintenance calls at the source network element on the virtual path (node A monitors for the OAM cell as the OAM cell loops back to node A, column 4, lines 10 - 35).

(2) with regard to claims 19, 26 and 32:

Gruber et al. further discloses originating a second at least one of operations, administrative and maintenance calls at an intermediate network element on the virtual path and monitoring for the second at least one of the operations, administrative and

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maintenance calls at the source network element on the virtual path (column 4, lines 24 – 25, lines 53 - 65).

(3) with regard to claims 22, 24 and 29:

Gruber et al. further discloses assigning the at least one of operations, administrative and maintenance calls and the second at least one of operations, administrative and maintenance calls, to the virtual path (column 4, lines 12 - 17).

(4) with regard to claims 23, 25, 30, 36 and 38:

Gruber et al. further discloses checking cells arrived at the source network element to find the at least one of operations, administrative and maintenance calls (column 4, lines 29 - 35).

(5) with regard to claim 35:

Gruber et al. further discloses originating the virtual circuit at the source network element and terminating the virtual circuit at the source network element to form a ring (Fig. 3, i.e. OAM trace cell is originated at node A and is looped back to node A).

(6) with regard to claim 37:

Gruber et al. further discloses originating the second virtual circuit at the intermediate network element and terminating the second virtual circuit at the source network element to form a ring (Fig. 6, i.e. OAM trace cell is originated at node D and is looped back to node A).

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 22, 28 and 34 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gruber et al. (US 6,563,795) in view of Huey et al. (US 5,467,349).

(1) with regard to claims 21, 28 and 34:

Gruber et al. discloses all of the subject matter as discussed in the rejection of claim 18 above. Gruber et al. however does not disclose the virtual path is unidirectional.

Huey et al. discloses the use of unidirectional virtual path (see column 2, lines 39 - 40).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the system of Gruber et al. to include the feature that the virtual path is unidirectional as shown in Huey et al. in order to optimize the use of virtual path identifiers and bandwidth of the system.

5. Claims 20, 27 and 33 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gruber et al. (US 6,563,795) in view of Cappellari et al. (US 5,557,611).

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(1) with regard to claims 20, 27 and 33:

Gruber et al. discloses all of the subject matter as discussed in the rejection of claim 18 above. Gruber et al. however does not disclose performing statistical multiplexing on the virtual path.

Cappellari et al. teaches using statistical multiplexing (see column 4, lines 37 – 43).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the system of Gruber et al. to include the feature of performing statistical multiplexing as shown in Cappellari et al. in order to improve bandwidth efficiency as statistical multiplexing would provide a saving on the bandwidth assigned to virtual paths.

Response to Arguments

6. Applicant's arguments with respect to claims 18, 26 and 31 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to BO HUI A. ZHU whose telephone number is (571)-270-1086. The examiner can normally be reached on Mon-Thu 10am-6pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jay Patel can be reached on (571)-272-2988. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/B. A. Z./
Examiner, Art Unit 2419

/Jayanti K. Patel/
Supervisory Patent Examiner, Art Unit 2419